

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1259	136/244.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/12 13:52
S2	60	S1 and porous	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 14:35
S3	1980	(solar or photovoltaic) and semiconductor and silicon and porous	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/21 10:22
S4	1981	(solar or photovoltaic) and semiconductor and silicon and porous	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/21 10:22
S5	403	S4 and porous adj (Si or silicon)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/21 10:26
S6	55	S5 and "1" adj nm	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/13 17:13
S7	21	S6 and (non-doped or intrinsic)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/21 17:56
S8	1	("5213628").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/22 14:49
S9	13	"5213628"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/21 14:22
S10	5370	(solar or photovoltaic) and dye	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/21 14:23
S11	2000	S10 and semiconductor	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/21 14:23
S12	615	S11 and porous	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/21 14:30
S13	1096	(solar or photovoltaic) and (pin or pIn or p-i-n) and porous	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/21 14:31
S14	411	S13 and semiconductor	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/21 16:25
S15	1002127	S14 and porous insulat\$5	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/21 14:43

## EAST Search History

S16	0	S14 and porous adj insulat\$5	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/21 14:43
S17	411	S14 and porous	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/21 16:26
S18	362	S14 and insulat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/21 16:27
S19	362	S14 and insulat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/21 16:26
S20	2	S14 and porous near insulat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/21 16:26
S21	157	(solar or photovoltaic) and porous adj (intrinsic or semiconductor)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/21 17:56
S22	2	(solar or photovoltaic) and porous and (non-dope\$3 adj semiconductor)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/22 13:38
S23	2937	(solar or photovoltaic) and porous and (semiconductor or intrinsic)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/22 13:50
S24	157	(solar or photovoltaic) and porous adj (semiconductor or intrinsic)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/22 13:51
S25	1	("5272355").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/22 14:50
S26	56897	photodiode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/22 14:50
S27	563	S26 and photoresistor	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 09:46
S28	12	S27 and (solar and photovoltaic)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/22 14:52
S29	3	S28 and porous	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/22 14:52
S30	1	("5272355").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 09:48

## EAST Search History

S31	1	("4486265").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 14:06
S32	1	("4676845").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 14:08
S33	0	("poroussilicon").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 14:08
S34	4272	porous adj silicon	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 14:09
S35	423	S34 and (solar or photovoltaic)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 14:09
S36	6	S35 and photoresistor	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 14:10
S37	55	S35 and photodiode	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 14:14
S38	39	S37 and solar	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 14:25
S39	15898	diffusion adj barrier	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 14:25
S40	5228	(solar or photovoltaic) and intrinsic	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 14:53
S41	2068	S40 and junction	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 14:53
S42	316163	S41 porous	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 14:54
S43	315	S41 and porous	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 14:56
S44	0	S43 and 1nm	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 14:57
S45	4272	porous adj silicon	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 15:06

## EAST Search History

S46	423	S45 and (solar or photovoltaic)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/24 15:06
S47	233	257/3.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/27 11:36
S48	51	S47 and porous	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/27 11:37
S49	24	S47 and (porous adj silicon)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/27 11:42
S50	90	(photodiode or photoresistor or solar) with (porous adj silicon)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/27 11:46
S51	42	Menna.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/27 11:46
S52	18	((sorlar adj cell) or photodiode or photoresistor) and (porous adj silicon) and (stack\$3 and tandem)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/01 11:36
S53	18	((sorlar adj cell) or photodiode or photoresistor) and (porous adj silicon) and (stack\$3 and tandem)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/01 11:37
S54	361	((sorlar adj cell) or photodiode or photoresistor) and (porous adj silicon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/01 13:24
S55	1	("5324965").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/01 13:29
S56	1	("4063901").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/01 13:30
S57	1	("5780896").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/01 13:36
S58	1	("6384313").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/01 13:49
S59	2280	(porous adj silicon) not (dope doped)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/01 14:00

## EAST Search History

S60	49	S59 and (solar adj cell)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/01 13:51
S61	625	(porous adj silicon) not (dope doped) not separat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/01 14:02
S62	31	S61 and ((solar adj cell) or photovoltaic)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/01 14:02
S63	144	(porous adj silicon) not (dope doped) not (separat\$4 remov\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/01 14:03
S64	11	S63 and ((solar adj cell) or (photovoltaic))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/01 14:44
S65	231782	"257"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/01 14:44
S66	219	S65 and (porous adj silicon) with (dope doped)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/01 14:47
S67	1896	S65 and (porous adj silicon) not (dope doped) with (opposite near conduct\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/01 14:48
S68	56	S66 not (SOI or (on adj insulator) separat\$4 move moving)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/01 14:51
S69	18	S66 not (SOI or (on adj insulator) separat\$4 remove removing)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/01 14:56
S70	5	S69 and (stack tandem multi\$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/01 14:57
S71	0	(solar or photovoltaic) and (heterojunction or p-n or p/n or pin) with ((porous adj silicon) with (sandwich or tandem or stack or between or back-to-back))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 14:38
S72	28	(solar or photovoltaic) and (heterojunction or p-n or p/n or pin) and ((porous adj silicon) with (sandwich or tandem or stack or between or back-to-back))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/05 14:38
S73	0	"257"/\$.ccls. and (non-doped adj porous)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/11 16:50

## EAST Search History

S74	0	"257"/\$.ccls. and ((non-doped nondoped) adj porous)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 16:51
S75	250	"257"/\$.ccls. and (porous adj semiconductor) and (silicon Si)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 16:52
S76	0	S75 and (nondoped non-doped)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 16:52
S77	41	vitanov.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/12 14:32
S78	50	(porous adj (silicon Si)) with ("50" adj nm)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/12 16:02
S79	1267	yoshimoto.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/12 14:38
S80	881	yoshimoto.in.	USPAT	OR	OFF	2006/12/12 14:38
S81	11	S80 and yoshimoto-satoshi.in.	USPAT	OR	OFF	2006/12/12 14:38
S82	330	(porous adj (silicon Si)) and thickness with (("50" adj nm)(S77 adj nm))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/12 16:06
S83	3	bisi.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/12 16:16
S84	6270	wire-like	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/12 16:16
S85	1	("5757024").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 15:14
S86	1	("5331180").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 15:14
S87	1	("5272355").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 15:15
S88	1	("6683367").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 15:15